Getting to the Conceptual Understanding of the Standards Disciplinary Core Idea Component (e.g., ESS2.A): Grade: ESS2. A- Earth Materials + Systems middle School (64) Disciplinary Core Idea (DCI) Use the Framework and Appendix E. What is the specific content for this grade level? What is the conceptual understanding expected for this grade level? Interaction of 5 1 5, stans - gesphere, hydrosphere, atmosphere, biosphere Energy flow + cycling of matter resulting in chamial + physical charges Systems interest over different tepred of sported scales = Changes can a cours long or aboutly - Key understanding is Conceptual Understanding - How systems interest of one arithm + offert one another of . Interestions occur at different time + spatial scales

Which Performance Expectation(s) could be bundled for instruction that would lead to the conceptual understanding of the core idea?

6-E552-1 => Effect of H2O goless Pack gole (how they inter-1)

6-E552-2

Getting to the Conceptual Understanding of the Standards

What information from the clarification statement(s) of the PE(s) further clarify the What information in the assessment boundary provide further clarification? desired conceptual understanding? E552-1 =) no naming of specific mineral E225-1 ESSZ-4 => Quantitative values for lettert heat not esserted Chanical + Physial Changes to geosphere by the hydrosphere sphilt terporal scale of sengtheric processes; connect to role of cherry release/tensfer (fot/three out: of overs; s/oi/sml/anti: of oness! E552-4 Water gole of an explosis on rule of energy transfer + multiple pathways Which practices could enhance student understanding of Which crosscutting concepts could enhance student Connections to other content standards? the conceptual idea? (Appendix F) understanding of the conceptual idea? (Appendix G) E552-2 -modeling Energy + mutter ssot) How serseronce processer shape local sersorphie features
(possible pharmana?) Sale Proportion + Quentity - Explantion Systems + System Midels Course + Effect - Data